

Office of Sustainable Fisheries

Annual Catch Limits and Accountability Measures

Presentation to the Regional Fishery Management Council Training October 2015 Silver Spring, MD



Objectives



- Incorporate stock assessment information into setting ACLs
- Demonstrate skills in a test fishery



Overview



- Requirements
- Reference Points
- Performance
- Wrap-up and group exercise



MSA Amendments - 2007



"..establish a mechanism for specifying annual catch limits

[ACLs] in the plan (including a multiyear plan), implementing
regulations, or annual specifications, at a level such that
overfishing does not occur in the fishery, including measures
to ensure accountability [AMs]."

"..develop annual catch limits for each of its managed fisheries that may not exceed the fishing level recommendations of its scientific and statistical committee"



National Standard 1



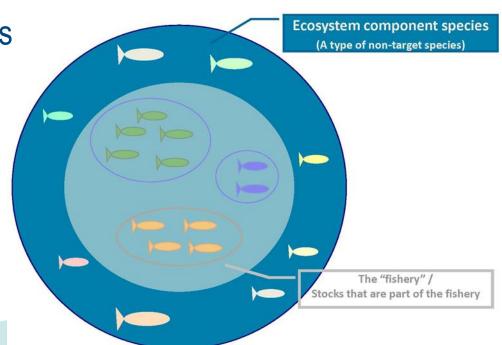
"Conservation and management measures shall prevent overfishing while achieving, on a continuing basis, the optimum yield from each fishery for the United States fishing industry."





Stocks with ACLs

- ACLs for "each of its managed fisheries"
 - FMPs vary in their inclusiveness of stocks
 - Both target and non-target stocks for greater ecosystem considerations
- Only target stocks
- Single species
- Complex





Stocks with no ACLs



Exceptions to ACL requirements

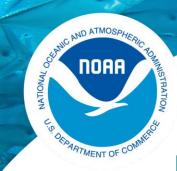
- Under MSA
 - Species with annual life cycles, unless subject to overfishing
 - Stocks managed under an international agreement to which the U.S. is party
- Under Guidance
 - Stocks excepted under ecosystem considerations



Accountability Measures (AMs)



- MSA requires ACLs, including "measures to ensure accountability"
- Two types of AMs:
 - To prevent reaching the ACL (inseason)
 - To address an overage of the ACL (post season)
 - Operational factors leading to an overage
 - Mitigate biological harm to the stock, if any



Overview of Stocks with ACLs

NOAA FISHERIES

	As of September 30, 2015	
Managed in a FMP N=471*	# of stocks meeting the ACL requirement	392
	# of stocks with international exemptions	68
	# of stocks with 1 year lifecycle exemptions	11
	# Ecosystem Component stocks	10

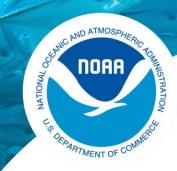
^{*} Not including data collection only species.



Question:

Accountability measures must deduct ACL overages in the following year.

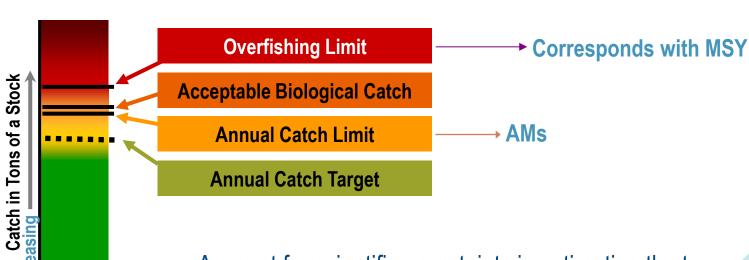
- 1. True
- 2. False



Know Your Reference Points OFL > ABC > ACL > ACT



Year 1



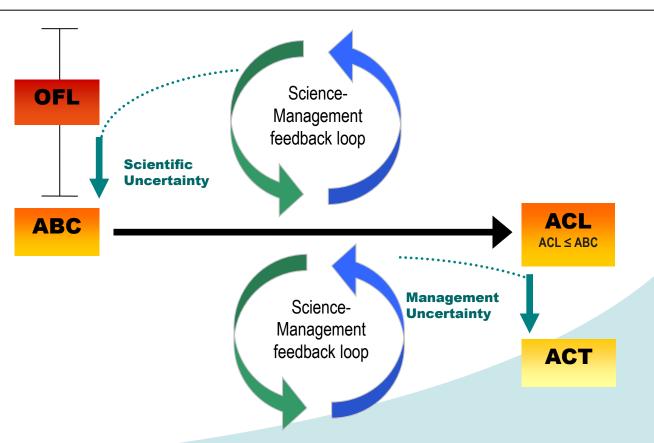
- Account for scientific uncertainty in estimating the true
 OFL. Recommend: OFL > ABC
- The ACL may not exceed the ABC.
- Account for management uncertainty in controlling the actual catch to the target. For example: ACL > ACT



Roles in Setting ACLs

SSC Role

Council Role





Assessing the risk of overfishing



- ACL set "such that overfishing does not occur"
- Managers establish a policy, in consultation with the SSC, to use in specification of ABC such that there is an acceptably low risk that overfishing will occur.

ABC control rule

Scientific uncertainty



Management Uncertainty



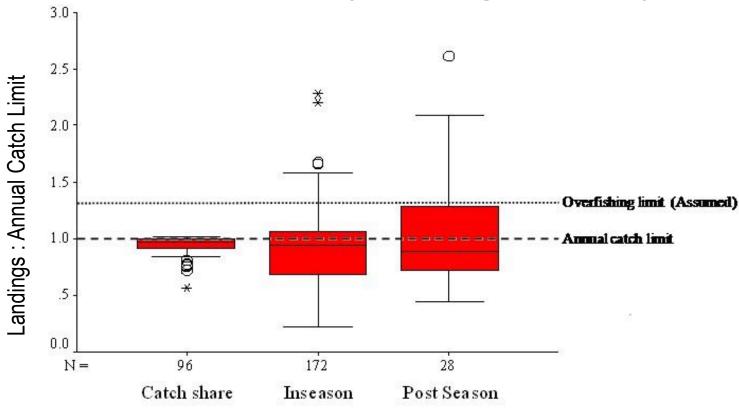
Management precision and setting appropriate catch levels

ACT control rule

Management uncertainty



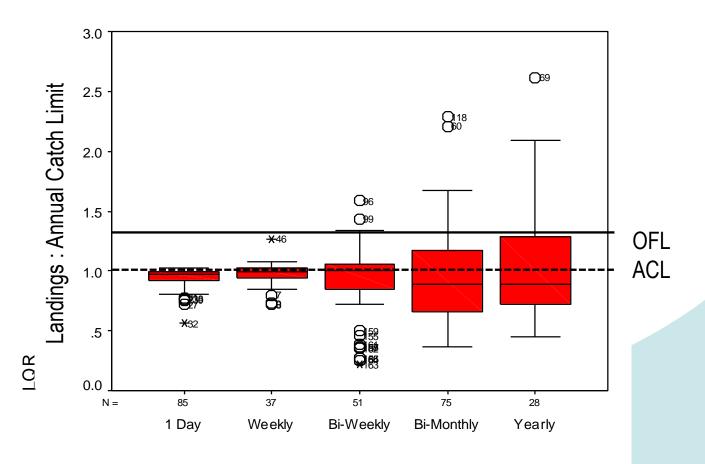
Management Uncertainty – By Management Type



Management type



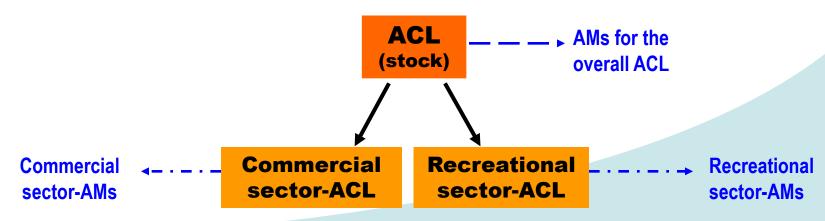
Management Uncertainty – By Reporting Frequency





Allocations - Sectors

- Optional sub-divide a stock's ACL into "sector-ACLs".
- The sum of sector ACLs must not exceed overall ACL.
- AMs required for the overall ACL to protect the stock as a whole.
- For each sector-ACL, "sector-AMs" should be established.
- Sector-AMs should be fair and equitable.





Question: Which of these is NOT a source of management uncertainty?

- 1. Management program type.
- 2. Estimated discard mortality.
- 3. Reporting frequency.



Performance Standards

- Because of uncertainty, there is always a chance that overfishing could occur.
- To prevent chronic overfishing:
 - The system of ACLs and AMs should be reevaluated and modified if the ACL is exceeded more than 1 in 4 years.
 - A higher performance standard could be used if a stock is particularly vulnerable to the effects of overfishing.





Tracking ACL Progress

- Reporting to NOAA (ongoing)
 - % of ACLs not exceeded nationally
 - Report quarterly
- Reporting to the White House (complete)
 - Performance measure that tracks subset of stocks to show overfishing is ending
 - 1 of 5 Agency Priority Goal measures in Department of Commerce
 - Available at performance.gov



Conceptual Model

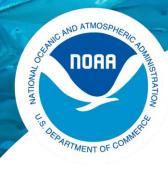


	SUBJECT TO OVERFISHING	NOT SUBJECT TO OVERFISHING	
ACL EXCEEDED			
ACL NOT EXCEEDED			



Question: Performance standards are intended to keep overfishing from becoming a chronic condition.

- True
- False





Summary

MSA requires:

- ACLs and AMs to end or prevent overfishing,
- ACLs may not exceed recommendations of SSC
- ACLs and AMs in all managed fisheries, with 2 exceptions.



Summary

- ACLs and AMs for all stocks/stock complexes, unless excepted.
- Clearly account for scientific and management uncertainty.
- AMs prevent ACL overages, where possible, and address overages, if they occur.
- "Ecosystem component" stocks: flexibility in FMPs.
- Performance standards: address assumptions in ACL setting to prevent chronic overfishing



Group ExerciseGiven the data – set an ACL

NOAA FISHERIES

Scenario 1 – Yellow-eye cod Data Rich Scenario 2 – Shadow shark
Data Poor

